

ABSTRACT OF THE DISCLOSURE

5 The present invention is directed towards the
diagnosis of malignant cancer by detection of the mts-1
MRNA or the mts-1 protein, encoded by the mts-1 gene.
The present invention contemplates the use of recombinant
mts-1 DNA and antibodies directed against the mts-1
protein to diagnose the metastatic potential of several
types of tumor cells, including, for example, thyroid,
10 epithelial, lung, liver and kidney tumor cells. The
present invention is also directed to mammalian cell
lines and tumors with high and low metastatic potential
which have been developed to serve as useful model
systems for in vitro and in vivo anti-metastasis drug
15 screening.